

What is claimed is:

1. A multiple switch device for operating a power window and having a window operating switch (3, 6, 7, 11, 12, 30a, 30b, 39, 40, 41, 42) for raising and lowering a vehicle window, and a selector switch (2, 5, 10, 22, 37) for selecting a particular window for operation, said multiple switch device characterized by the selector switch (2, 5, 10, 22, 37) also having a lock switch function for disabling window operation.

2. A multiple switch device as described in claim 1, wherein:
said window operating switch (3) is a single switch;
and

said selector switch (2) comprises one switch knob with a contact position (2a, 2b, 2d, 2e) for selecting each window to operate, and a contact position (2c) for disabling window operation.

3. A multiple switch device as described in claim 2, wherein:
said selector switch (2) has a rotary switch knob, and contact positions (2a, 2b, 2c, 2d, 2e) are arranged as follow:

a window lock contact position (2c) for disabling window operation is a center position;

a driver's side contact position (2b) for driver's window operation is right adjacent to said window lock contact position (2c);

a right rear window contact position (2a) for operating a right rear window is right adjacent to said driver's side contact position (2b);

a front passenger window contact position (2d) for operating a front passenger window is left adjacent to the window lock contact position (2c); and

a left rear window contact position (2e) for operating a left rear window is left adjacent to the front passenger window contact position (2d).

4. A multiple switch device as described in claim 1, wherein:
said window operating switch (6, 7, 11, 12) comprises two switches disposed side by side; and

said selector switch (5, 10) comprises a single switch knob with a switch for selecting front or back seat window operation and, when pressed, disabling window operation.

5. A multiple switch device as described in claim 1, wherein:
said selector switch (5) comprises a rotary switch for selecting two contact positions (5a, 5b) for selecting a front seat and back seat position, and

a push-button switch for disabling window operation.

6. A multiple switch device as described in claim 1, wherein:

said selector switch (10, 22, 37) comprises a switch movable in two directions for selecting front window operation or rear window operation, and

a switch for disabling window operation.

7. A multiple switch device for operating a power window and having a window operating switch (30a, 30b) for raising and lowering a vehicle window, and a selector switch (22) for selecting a window to be operated by window operating switch (30a, 30b), wherein:

the selector switch (22) combines functions of a rocker switch for moving a knob (221) in two directions to select operation of a front seat window or rear seat window, and

a push-lock switch for disabling and enabling window operation when the knob (221) is pressed.

8. A multiple switch device as described in claim 7, wherein the selector switch (22) is in a contact position (22c) for operating a front seat window when the knob (221) of selector switch (22) is in an upright position, and is in a contact position (22d) for operating a back seat window when the knob (221) of selector switch (22) is rocked.

9. A multiple switch device for operating automobile power windows in a first row, second row, and third row, comprising:

first to fourth window operating switches (39, 40, 41, 42) for operating first row, second row, and third row power windows; and

a selector switch (37) for selecting whether the third and fourth window operating switches (41, 42) operate the power windows of the second row or third row.

10. A multiple switch device as described in claim 9, wherein:

the selector switch (37) combines functions of a rocker switch for moving in two directions to select operation of a second row window or a third row window, and

a push-lock switch for disabling and enabling window operation.

11. A multiple switch device as described in claim 10, wherein the selector switch (37) is in a contact position (37b) for operating a second row window when the knob (37a) of selector switch (37) is in an upright position, and is in a contact position (37c) for operating a third row window when the knob (37a) is rocked.

12. A multiple switch device comprising:

a knob (221) having protruding from the bottom thereof an operating lever (22f) for operating a switch unit (27), and a single operating part (22e) enabling push-action and

rocker-action operations;

a rocker body (24) movably supported to case (21) on a pivot with operating lever (22f) of knob (221) passing freely up and down therethrough;

a case (21) having a through-hole (21i) for operating lever (22f) passing therethrough; and

a plurality of switch units (27c, 27d) operated by movement of first and second sliding studs (27a, 27b), which engage a shaped slot (22h) formed in the operating lever (22f) of the knob (221).

13. A multiple switch device as described in claim 12, wherein:

the knob (221) has a cam (22g) on a side of operating lever (22f);

the rocker body (24) has a lock pin (26) for engaging the cam (22g) and a leaf spring (25) for urging the lock pin (26), and forms a suitable surface (24g, 24h) contacted by a suitable body (28), which is urged by suitable spring (29); and

the case (21) has a positioning part (21a) for placing the knob (221); and

the through-hole (21i), a tubular protrusion forming a blind hole (21h) for holding the suitable spring (29), and stud hole (21g) for pivotably supporting the rocker body (24)

are formed inside the positioning part (21a).

14. A multiple switch device as described in claim 12 or 13, wherein:

the shaped slot (22h) formed in the operating lever (22f) has a longitudinal slot (22i) in which the first sliding stud (27a) floats when the knob (22l) is pressed,

a sloped slot (22j), contiguous to the longitudinal slot (22i), for pushing and moving the second sliding stud (27b) when the knob (22l) is pressed, and

an escape slot (22m) in which second sliding stud (27b) moves freely when the knob (22l) is rocked.

15. A multiple switch device comprising:

a switch (30a, 30b, 41, 42) having protruding from a bottom thereof an operating lever (30d) for operating switch units (34, 35), and a rocking knob (30f); and

a movable selector (33) disposed to the operating lever (30d) of the switch (30a, 30b, 41, 42) for operating the two switch units (34, 35);

one switch unit (34) being operated by movement of a sliding stud (34a, 34b), which engages a first notch (33b) formed in the movable selector (33), and

an other switch unit (35) being operated by movement of a sliding stud (35a, 35b), which engages a second notch (33c)

Year	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	